

FIG. 1

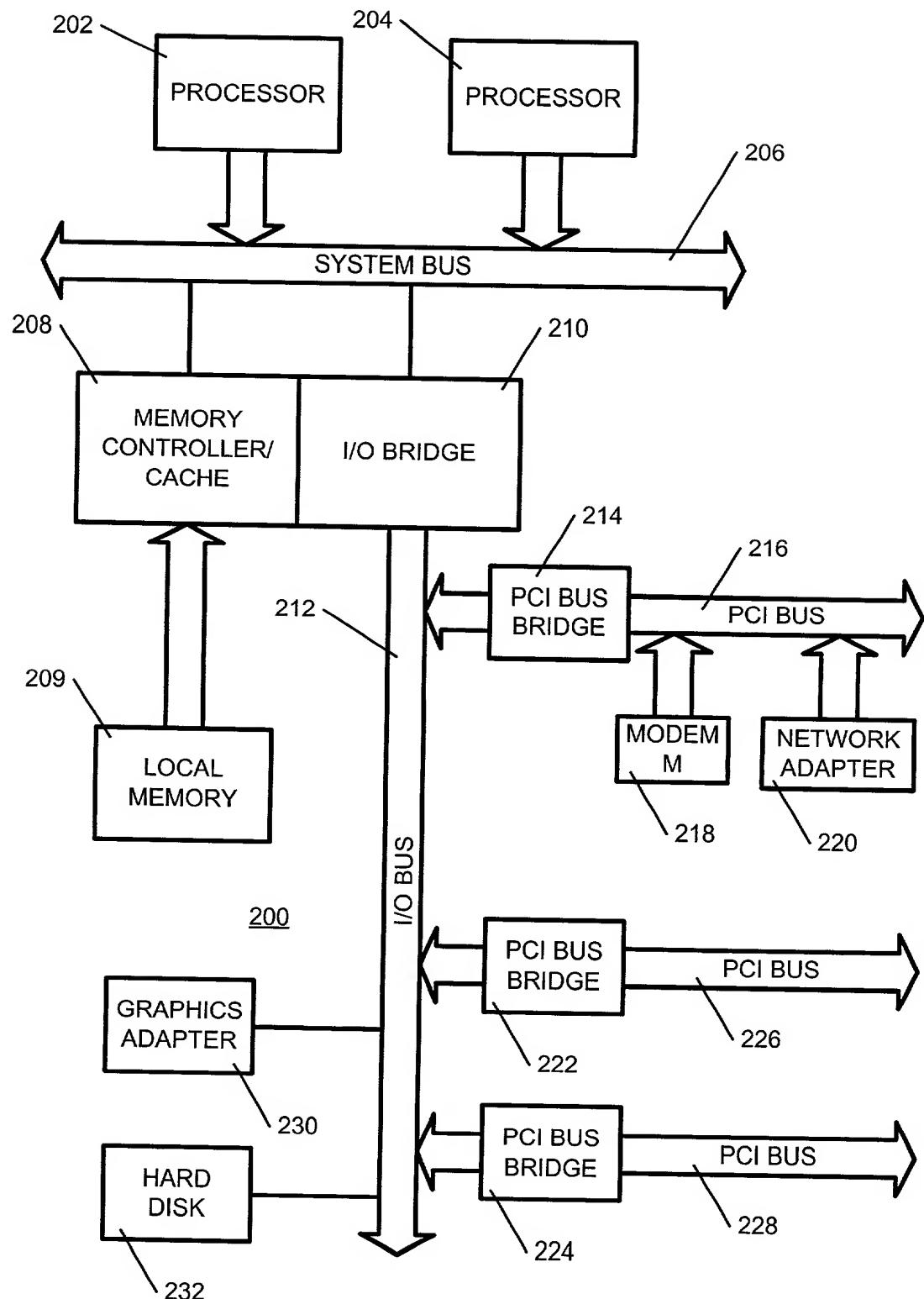


FIG. 2

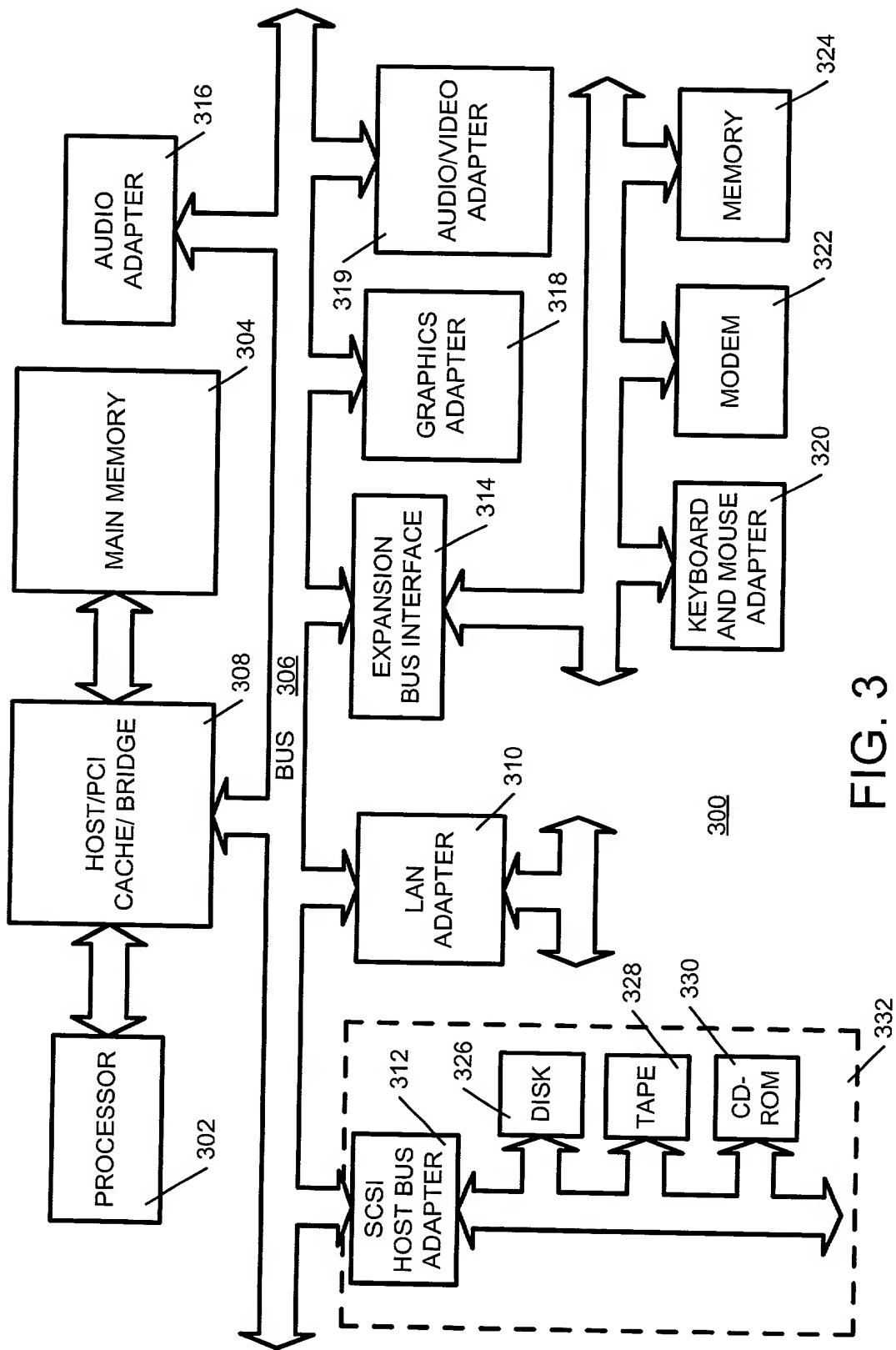


FIG. 3

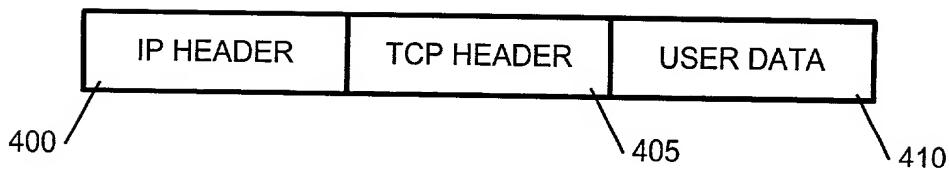


FIG. 4

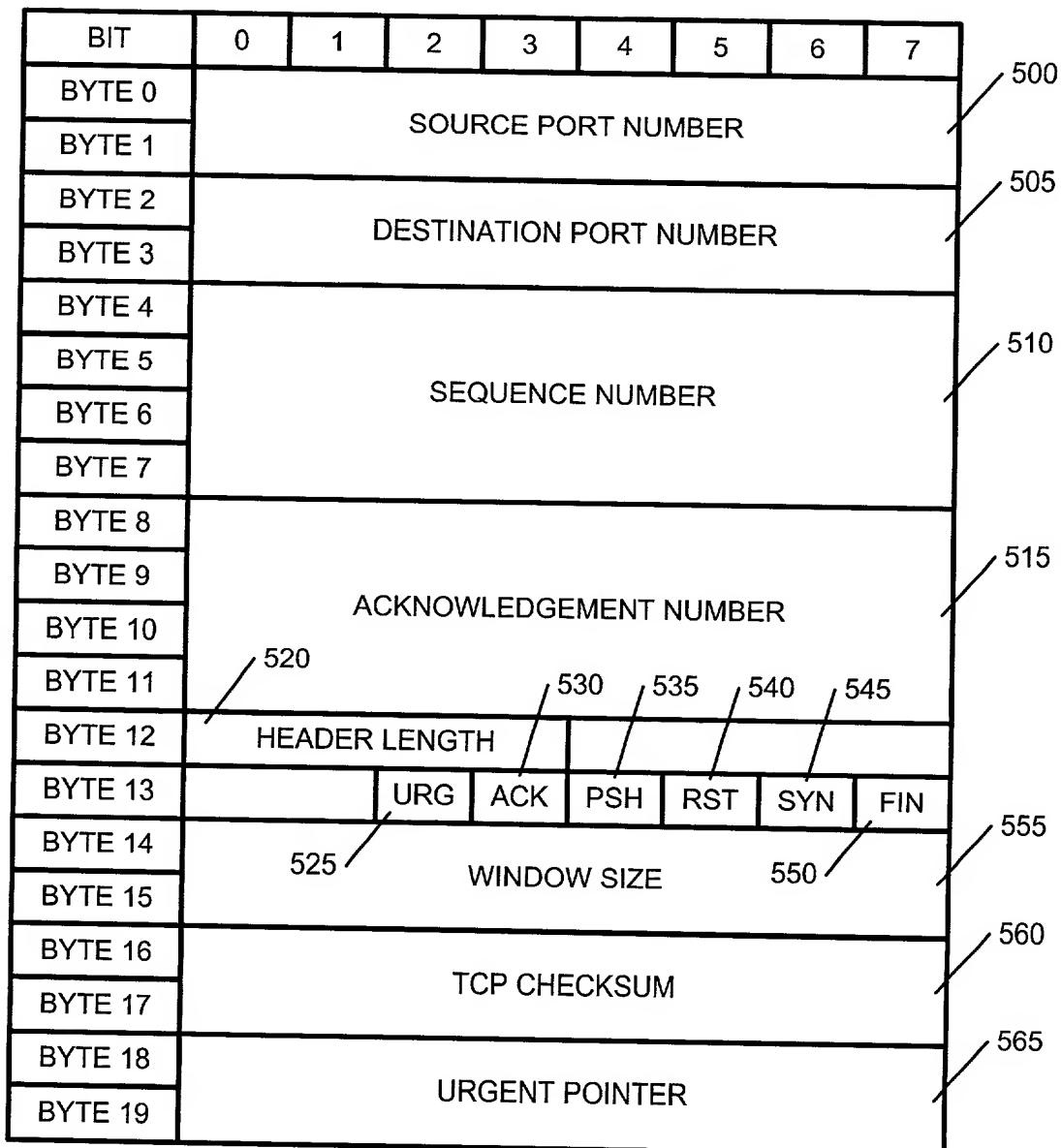


FIG. 5

```
<?XML VERSION="1.0"?>
<COMPANY NAME="INFORMATION STRATEGIES">
    <EMPLOYEES>
        <EMPLOYEE ID="1">HANK AARON</EMPLOYEE>
        <EMPLOYEE ID="2">BABE RUTH</EMPLOYEE>
    </EMPLOYEES>
</COMPANY>
```

FIG. 6

```
<EMPLOYEE ID="3">MICKEY MANTLE</EMPLOYEE>
<EMPLOYEE ID="4">TY COBB</EMPLOYEE>
```

FIG. 7

```
<?XML VERSION="1.0"?>
<IP_HEADER>
    <TCP_HEADER>
        <TCP_CONNECTION>
            <SYN_SENT>SEQUENCE#</SYN_SENT>
            <SYN_RECEIVED>SEQUENCE#</SYN_RECEIVED>
            <ACK_RECEIVED>ACK#</ACK_RECEIVED>
            <ACK_SENT>ACK#</ACK_SENT>
        </TCP_CONNECTION>
    </TCP_HEADER>
</IP_HEADER>
```

FIG. 8

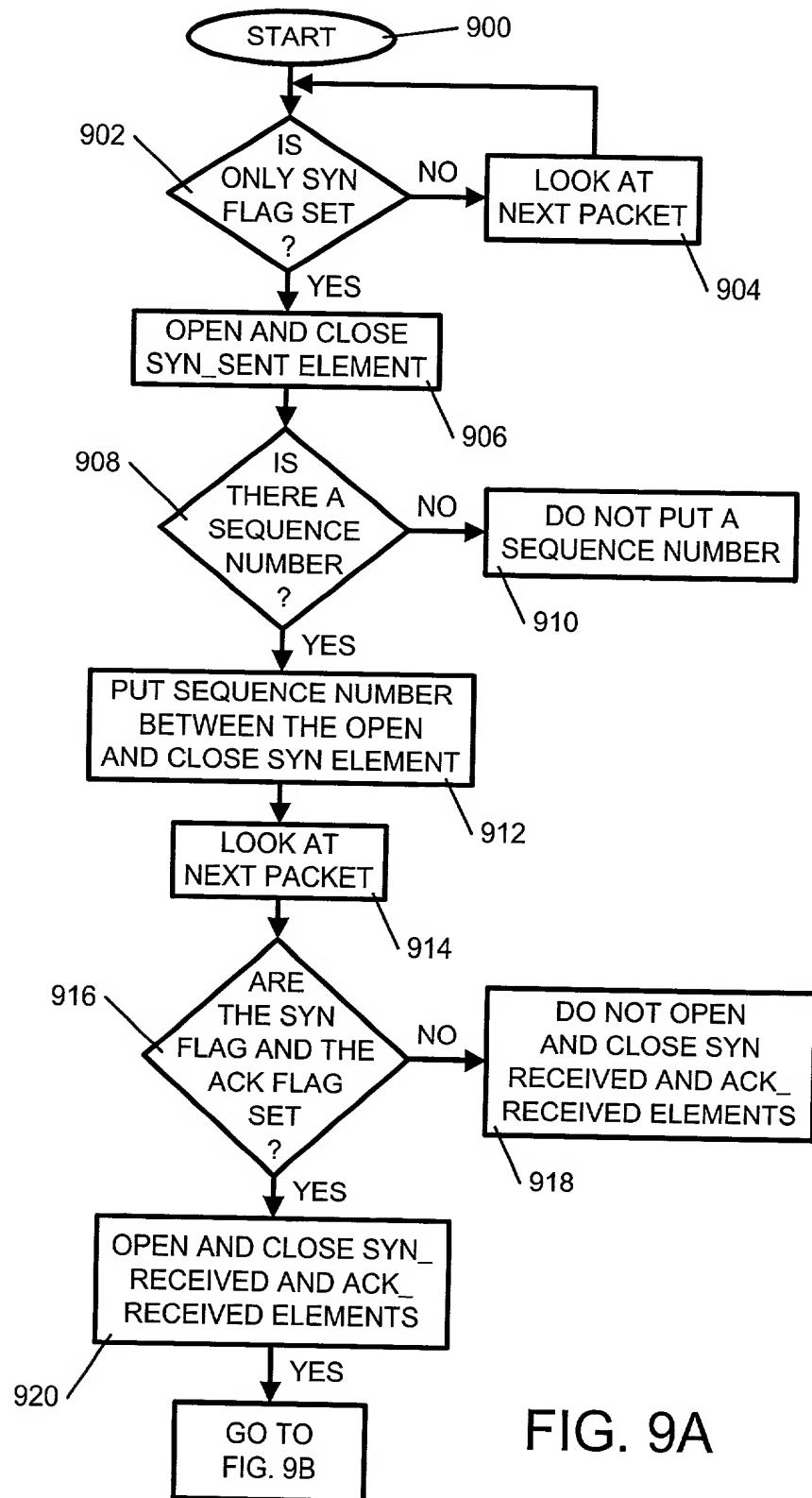


FIG. 9A

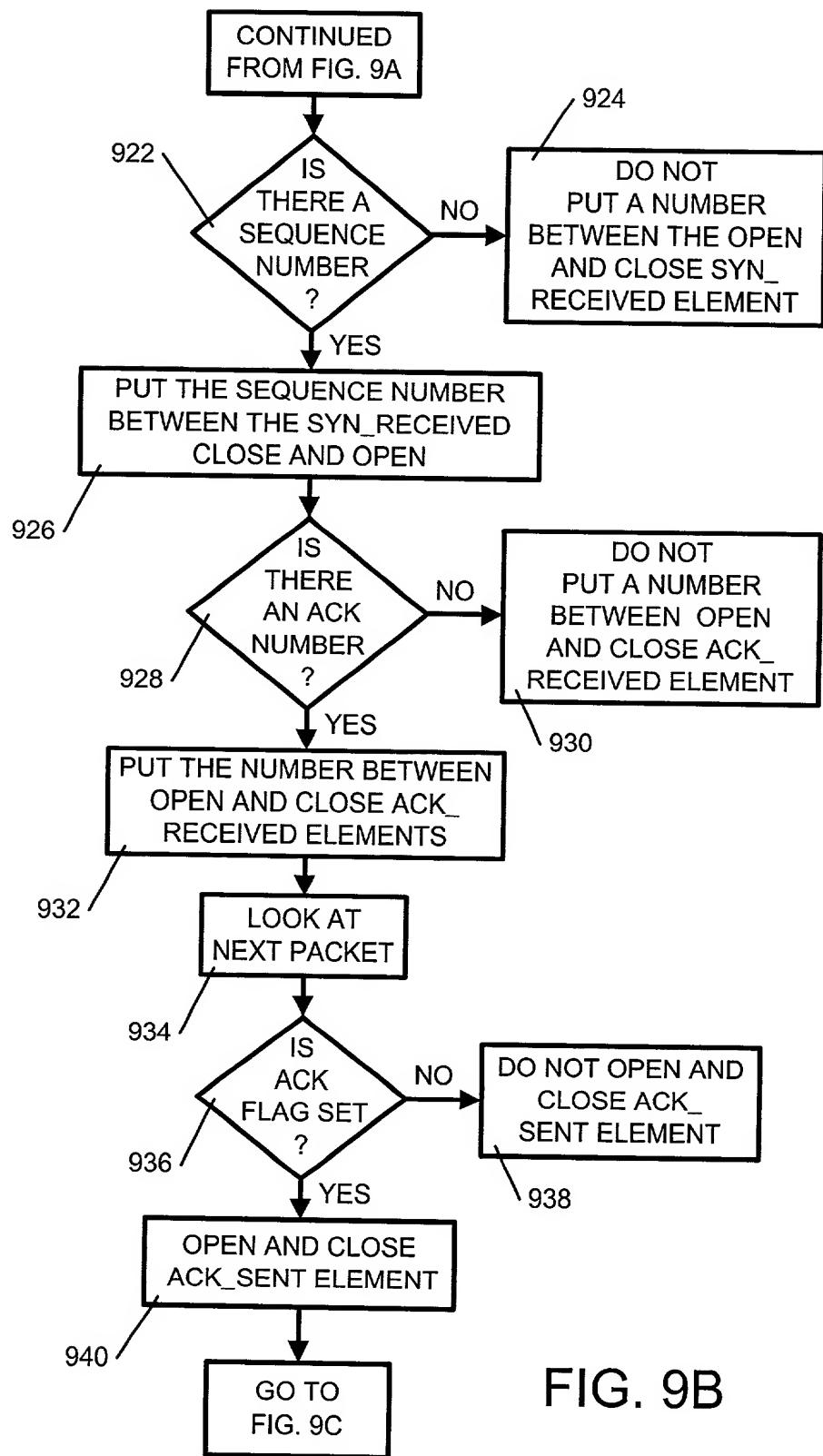


FIG. 9B

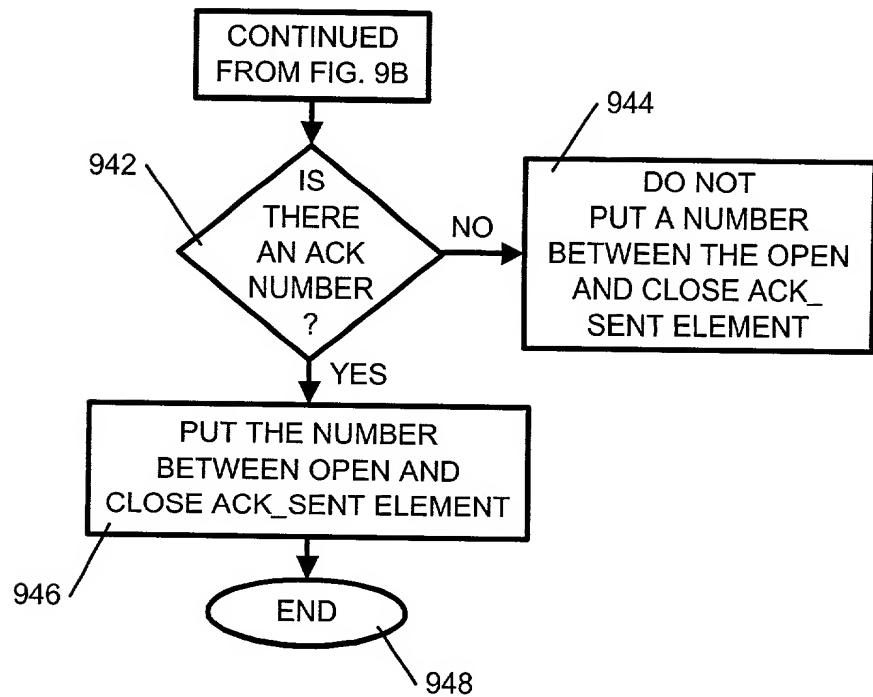


FIG. 9C

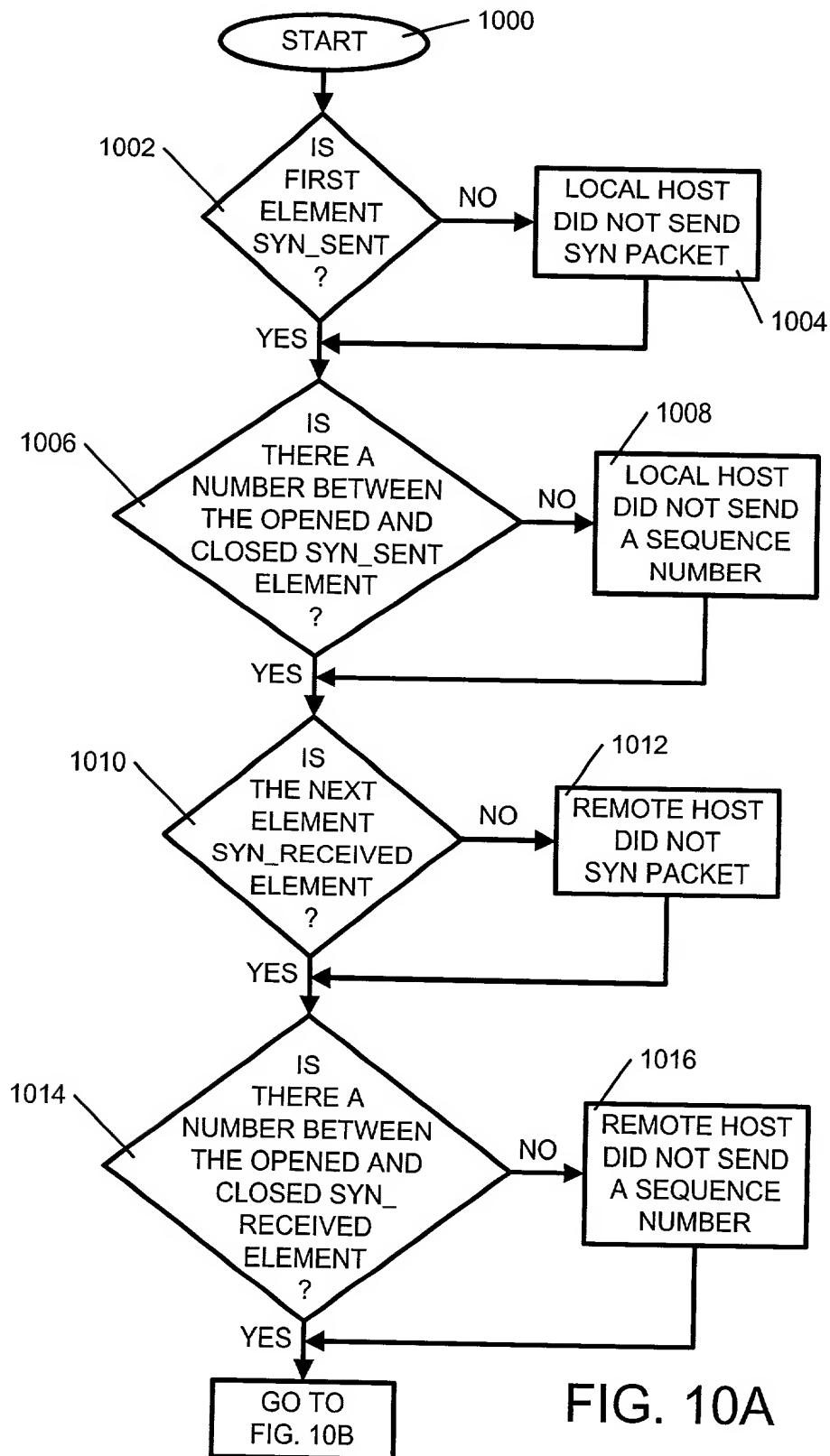


FIG. 10A

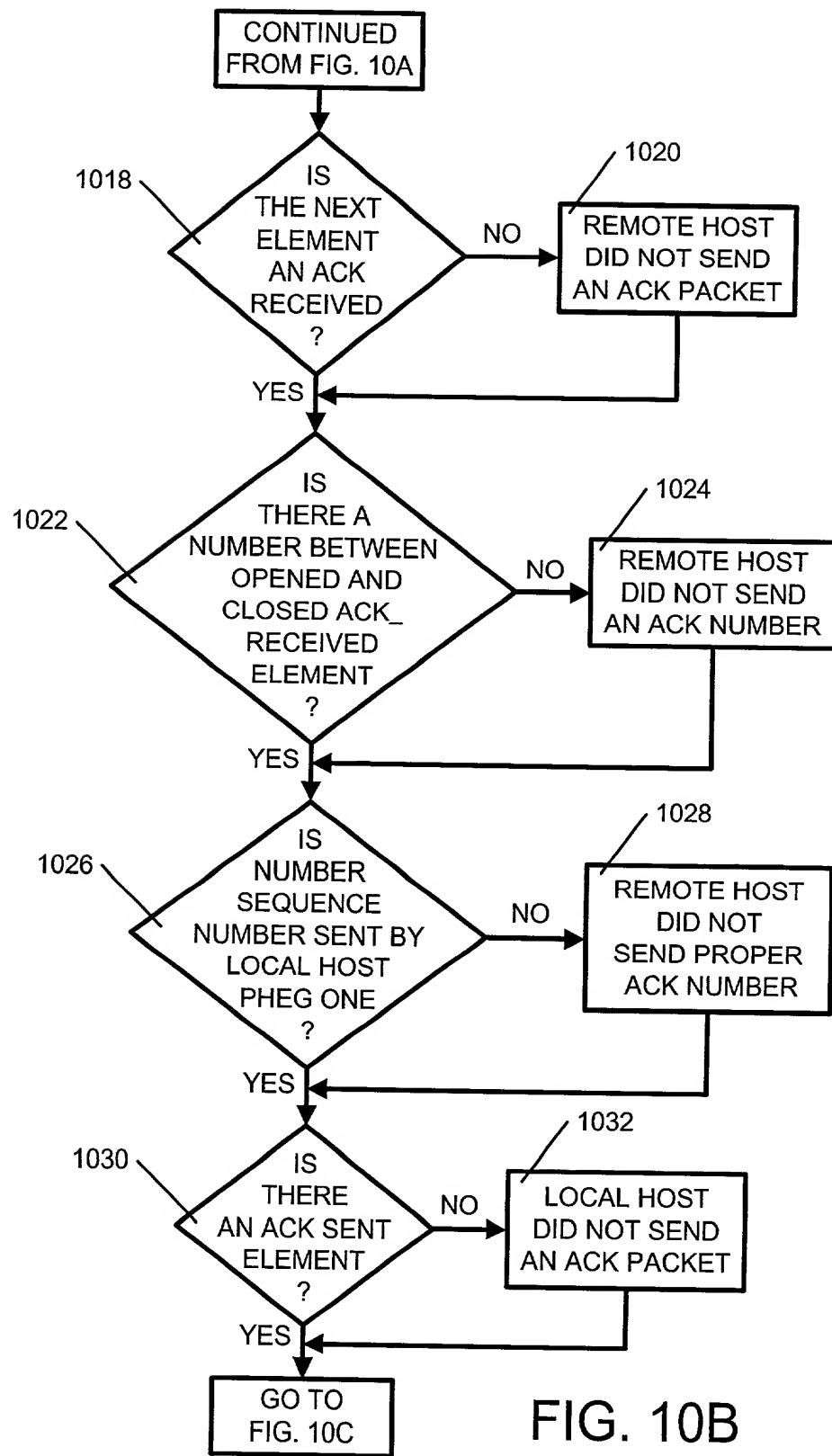


FIG. 10B

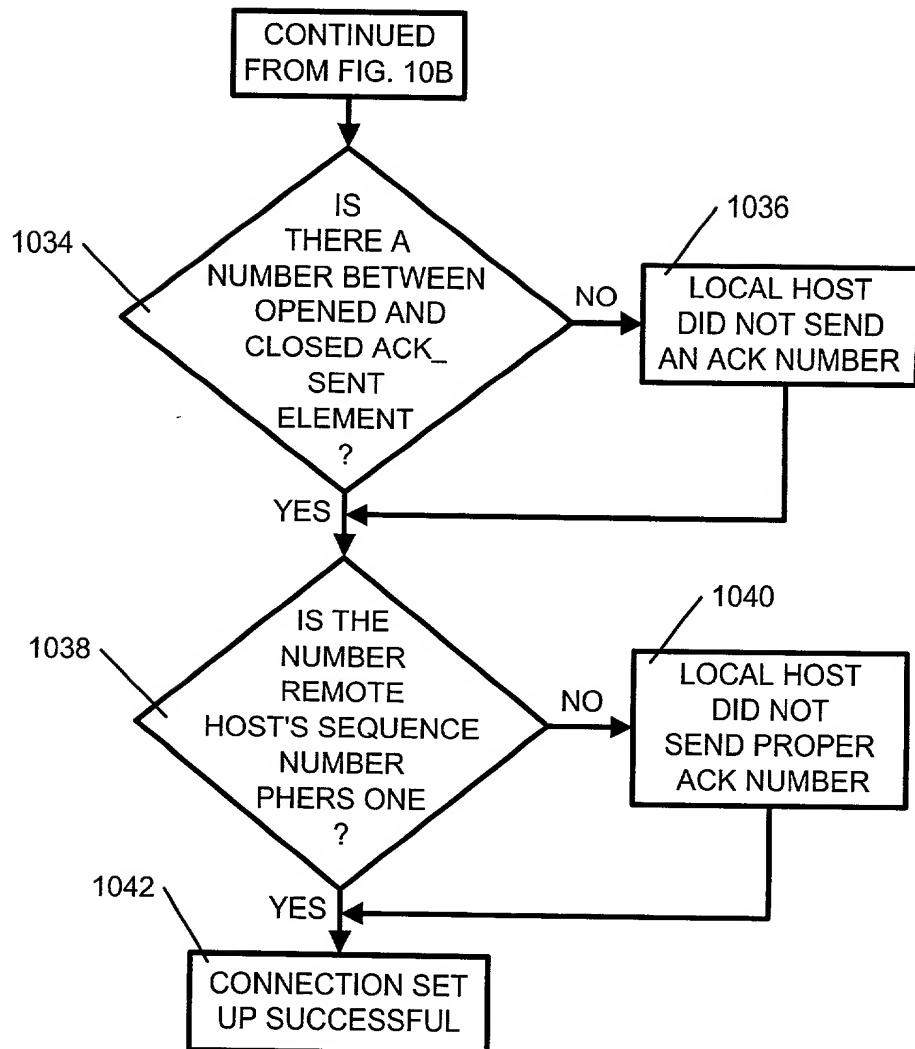


FIG. 10C

```
<?XML VERSION="1.0"?>
<XS:SCHEMA XMLNS:XS="HTTP://WWW.W3.ORG/2001/XMLSHEMA>
<XS:ELEMENT NAME="IP_HEADER">
<XS:COMPLEXTYPE>
<XS:SEQUENCE>
<XS:ELEMENT NAME="TCP_HEADER">
<XS:COMPLEXTYPE>
<XS:SEQUENCE>
<XS:ELEMENT NAME="TCP_CONNECTION">
<XS:COMPLEXTYPE>
<XS:SEQUENCE>
<XS:ELEMENT REF="SYN_SENT" MINOCCURS="0" MAXOCCURS="1"/>
<XS:ELEMENT REF="SYN_RECEIVED" MINOCCURS="0"
             MAXOCCURS="1"/>
<XS:ELEMENT REF="ACK_RECEIVED" MINOCCURS="0"
             MAXOCCURS="UNBOUNDED"/>
<XS:ELEMENT REF="ACK_SENT" MINOCCURS="0" MAXOCCURS=
             "UNBOUNDED"/>
</XS:SEQUENCE>
</XS:COMPLEXTYPE>
</XS:ELEMENT>
</XS:SEQUENCE>
</XS:COMPLEXTYPE>
</XS:ELEMENT>
</XS:SEQUENCE>
</COMPLEXTYPE>
</XS:ELEMENT>
</XS:SCHEMA>
```

FIG. 11

```
<?XML VERSION="1.0"?>
<IP_HEADER>
<TCP_HEADER>
  <TCP_CLOSE-CONNECTION
    <FIN_SENT>SEQUENCE#</FIN_SENT>
    <ACK RECEIVED>ACK#</ACK RECEIVED>
    <FIN RECEIVED>SEQUENCE#</FIN RECEIVED>
    <ACK SENT>ACK#</ACK SENT>
  </TCP_CLOSE-CONNECTION>
</TCP_HEADER>
</IP_HEADER>
```

FIG. 12

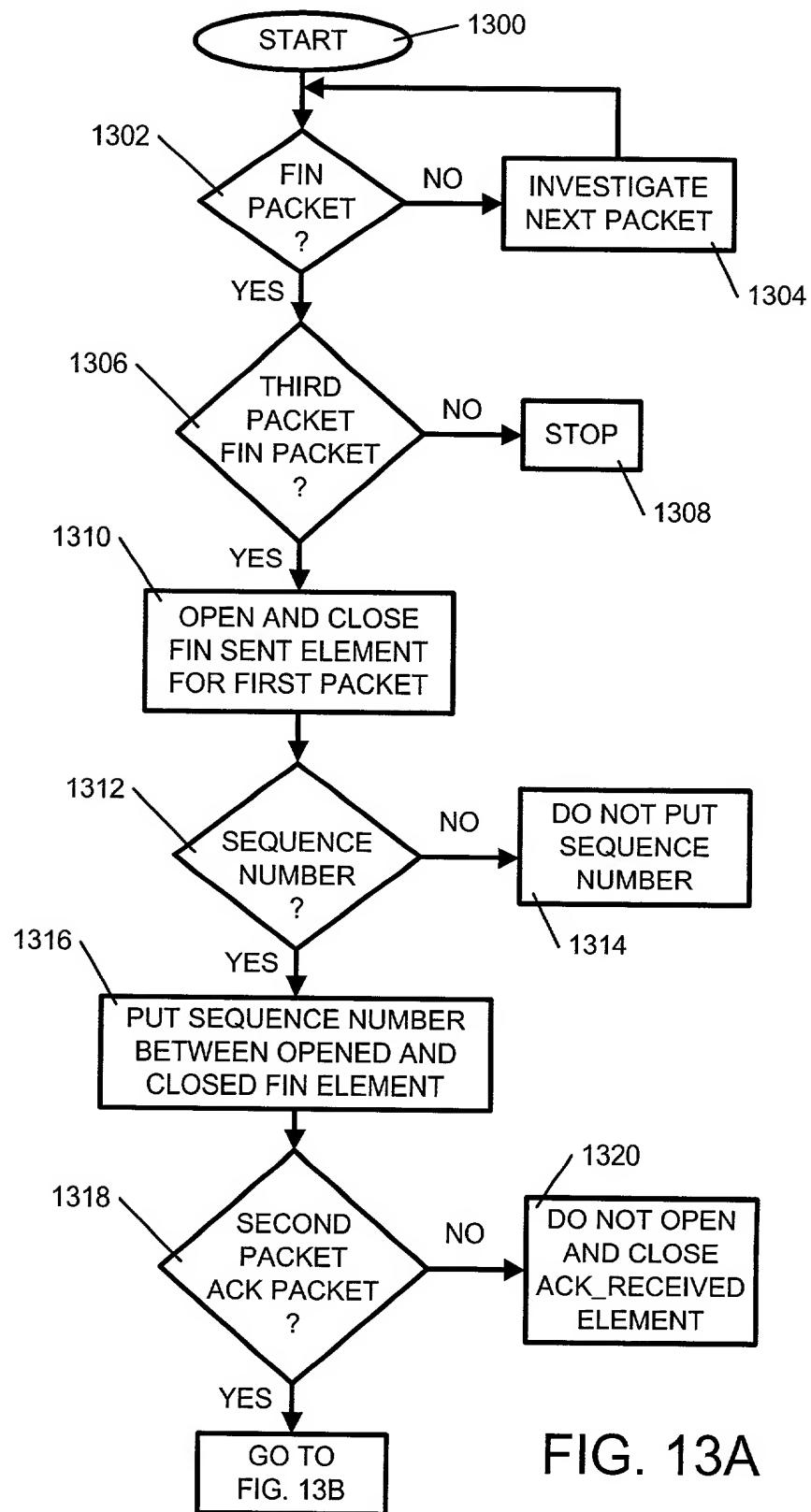


FIG. 13A

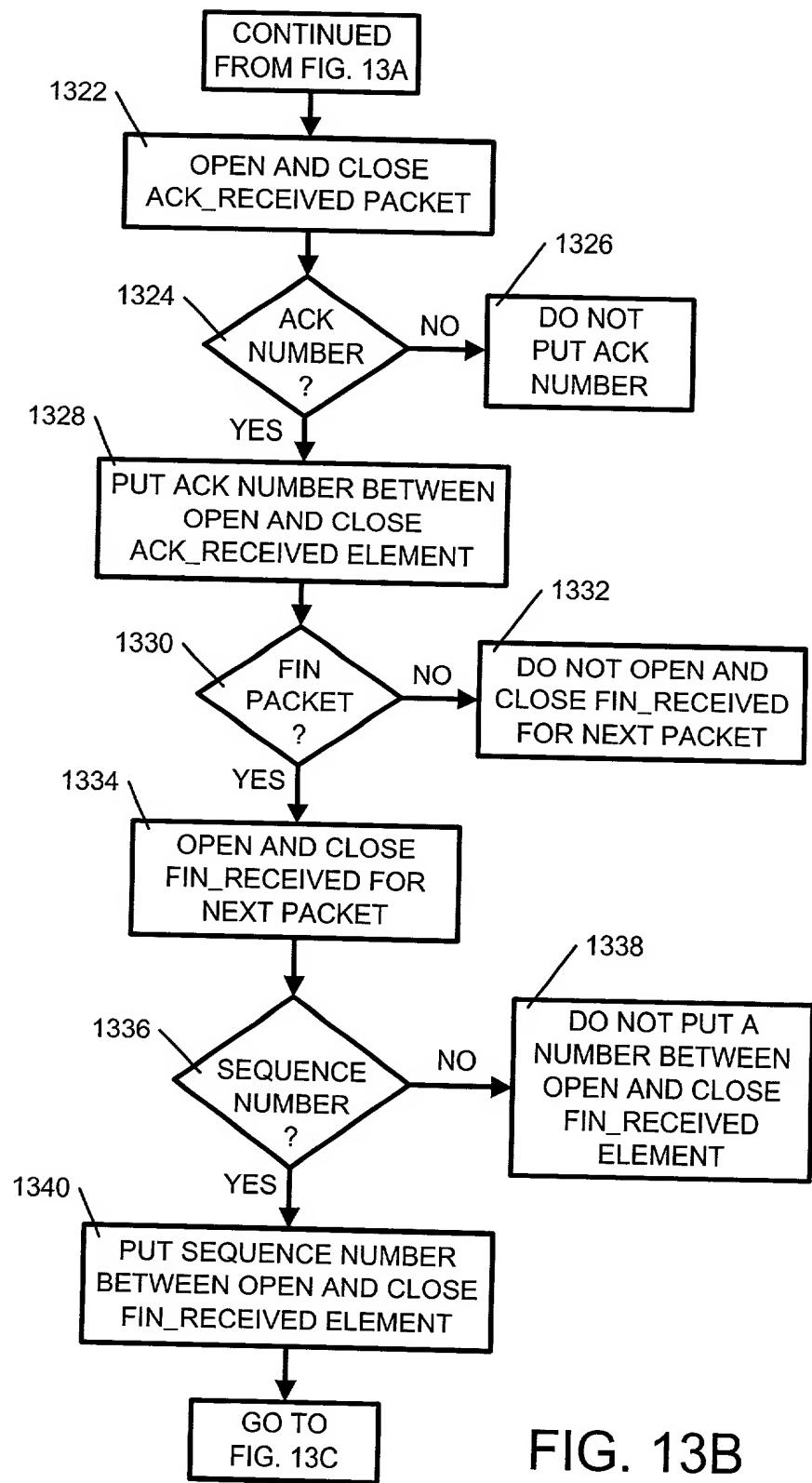


FIG. 13B

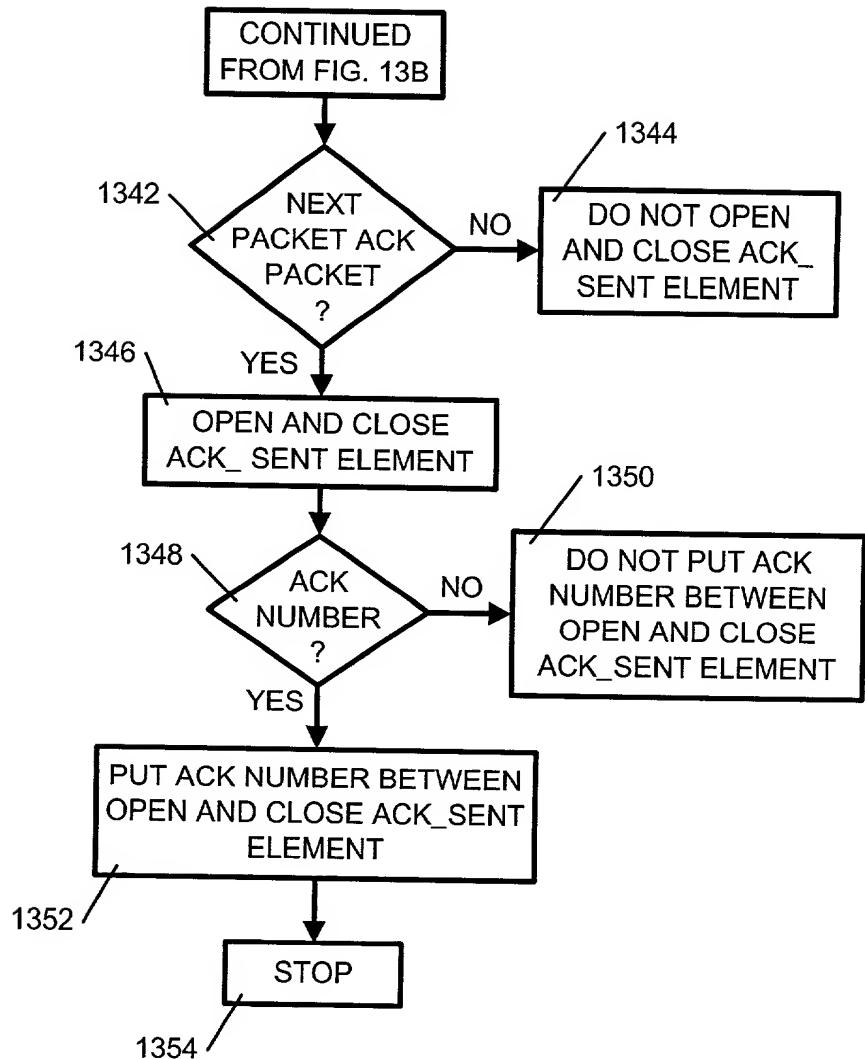


FIG. 13C

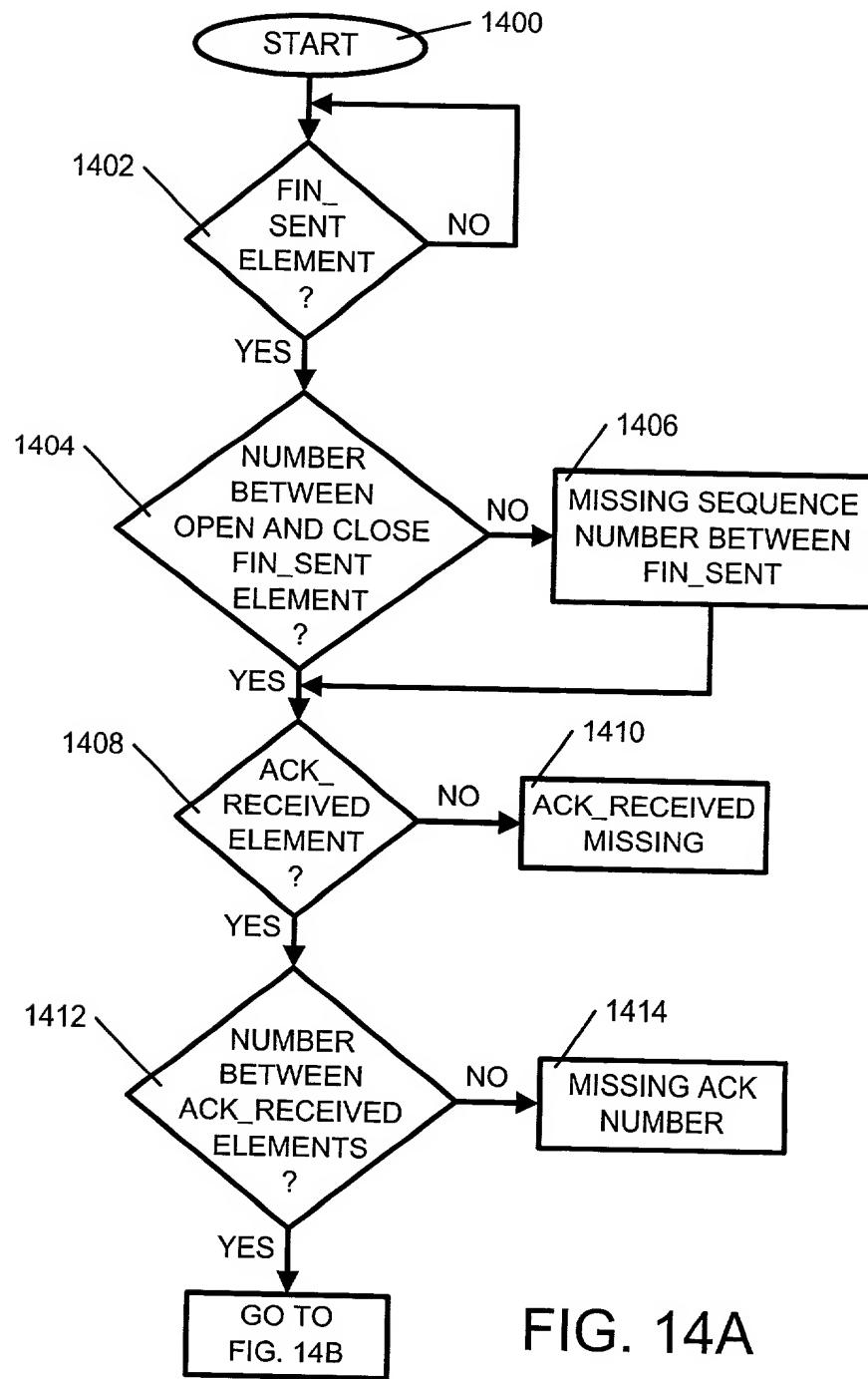


FIG. 14A

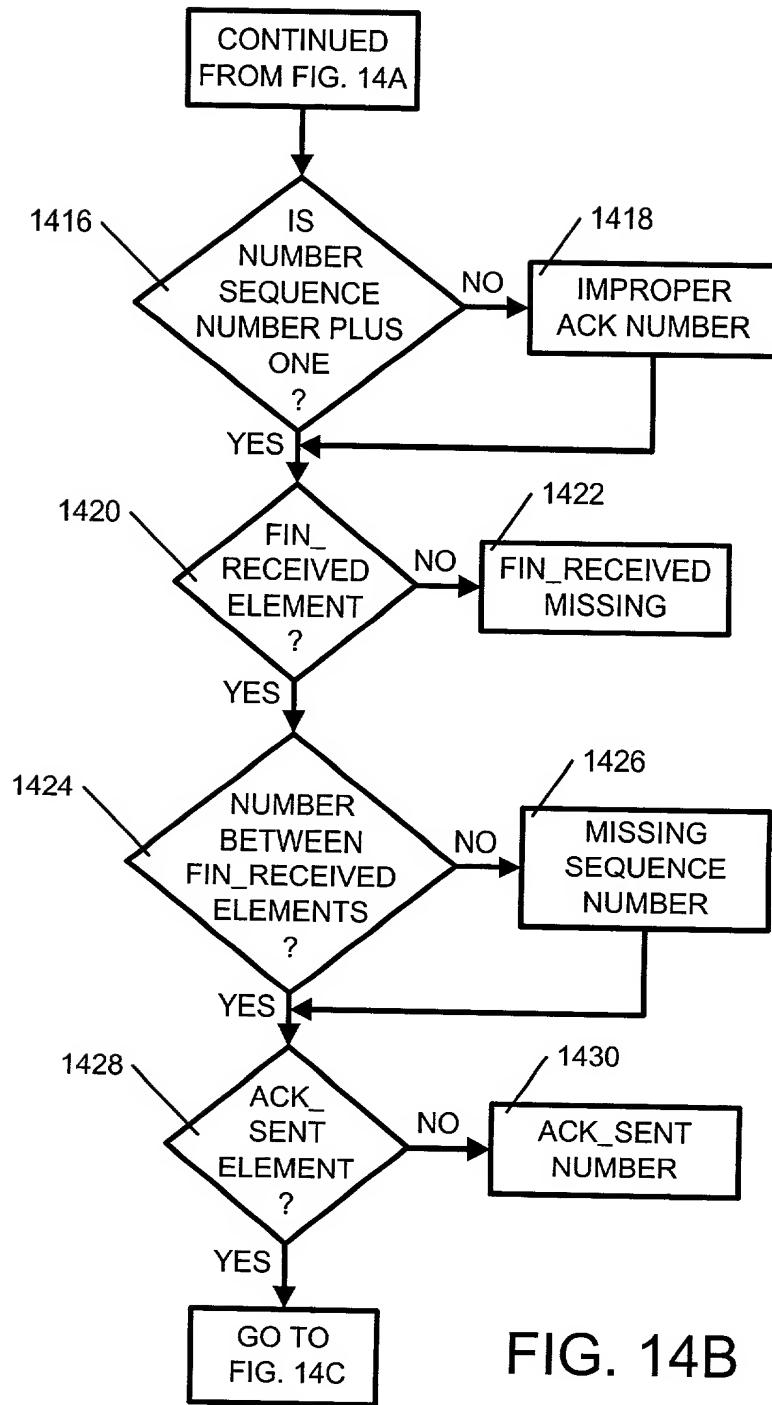


FIG. 14B

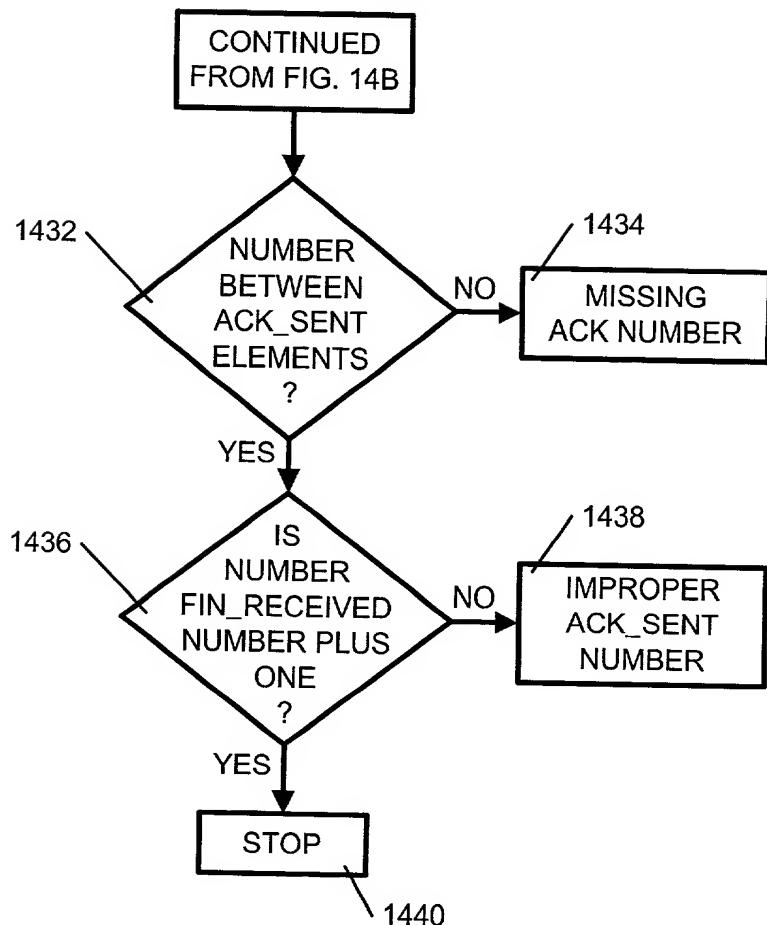


FIG. 14C

```
<?XML VERSION="1.0"?>
<XS:SCHEMA XMLNS:XS="HTTP://WWW.W3.ORG/2001/XMLSHEMA">
<XS:ELEMENT NAME="IP_HEADER">
<XS:COMPLEXTYPE>
<XS:SEQUENCE>
<XS:ELEMENT NAME="TCP_HEADER">
<XS:COMPLEXTYPE>
<XS:SEQUENCE>
<XS:ELEMENT NAME="TCP_CLOSE-CONNECTION">
<XS:COMPLEXTYPE>
<XS:SEQUENCE>
<XS:ELEMENT REF="FIN_SENT" MINOCCURS="0"
             MAXOCCURS="UNBOUNDED"/>
<XS:ELEMENT REF="ACK RECEIVED" MINOCCURS="0"
             MAXOCCURS="UNBOUNDED"/>
<XS:ELEMENT REF="FIN RECEIVED" MINOCCURS="0"
             MAXOCCURS="UNBOUNDED"/>
<XS:ELEMENT REF="ACK_SENT" MINOCCURS="0" MAXOCCURS=
             "UNBOUNDED"/>
</XS:SEQUENCE>
</XS:COMPLEXTYPE>
</XS:ELEMENT>
</XS:SEQUENCE>
</XS:COMPLEXTYPE>
</XS:ELEMENT>
</XS:SEQUENCE>
</COMPLEXTYPE>
</XS:ELEMENT>
</XS:SCHEMA>
```

FIG. 15

GIL.1023>DEVO.LOGIN:S 768512(0) WIN 4096 <MSS 1024>
DEVO.LOGIN>GIL.1023:S 947648:947648(0) ACK 768513 WIN 4096 <MSS 1024>
GIL.1023>DEVO.LOGIN: .ACK 1 WIN 4096

FIG. 16

```
<?XML VERSION="1.0"?>
<IP_HEADER>
  <TCP_HEADER APP="RLOGIN" SPORT="1023" SHOST="GIL" RPORT="LOGIN"
  RHOST="DEVO">
    <TCP_CONNECTION>
      <SYN_SENT WIN="4096" MSS="1024">768512:768512(0) </SYN_SENT>
      <SYN_RECEIVED WIN="4096" MSS="1024">947648:947648(0)
    </SYN_RECEIVED>
      <ACK_RECEIVED WIN="4096" MSS="1024">768513
    </ACK_RECEIVED>
      <ACK_SENT WIN="4096" RELATIVESEQ="YES">1
    </ACK_SENT>
  </TCP_CONNECTION>
</TCP_HEADER>
</IP_HEADER>
```

FIG. 17

```
<CONNECTION_ESTABLISH>
  <PARAMETER_NEGOTIATION>
  <DATA_EXCHANGE>
  ...
  <WINDUP_OPERATIONS>
<CONNECTION_CLOSE>
```

FIG. 18

```
<?XML VERSION="1.0"?>
<IP_HEADER>
  <TCP_HEADER >
    <SYN_RECEIVED>SEQUENCE# </SYN_RECEIVED>
    <SYN_SENT>SEQUENCE#</SYN_SENT>
    <ACK_RECEIVED>ACK#</ACK RECEIVED>
    <ACK_SENT>ACK#</ACK_SENT>
  </TCP_HEADER>
</IP_HEADER>
```

FIG. 19

```
<?XML VERSION="1.0"?>
<IP_HEADER>
  <TCP_HEADER >
    <SYN_RECEIVED>SEQUENCE# </SYN_RECEIVED>
    <ACK_RECEIVED>ACK#</ACK RECEIVED>
    <ACK_SENT>ACK#</ACK_SENT>
  </TCP_HEADER>
</IP_HEADER>
```

FIG. 20